Method for Gene Identification Signature (GIS) Analysis

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GIS analysis (bacterial transformation approach)

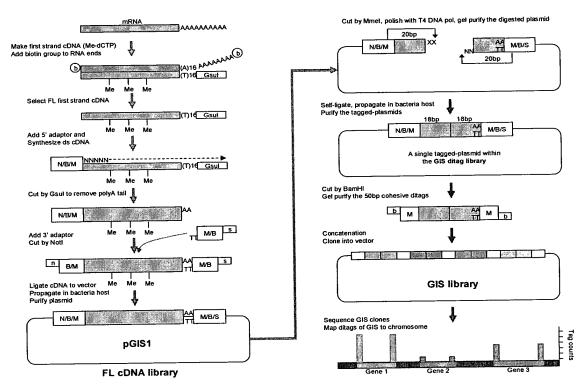


Figure 1

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GIS analysis (PCR approach)

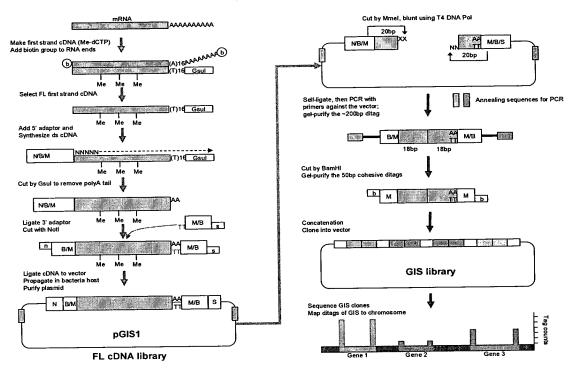


Figure 2

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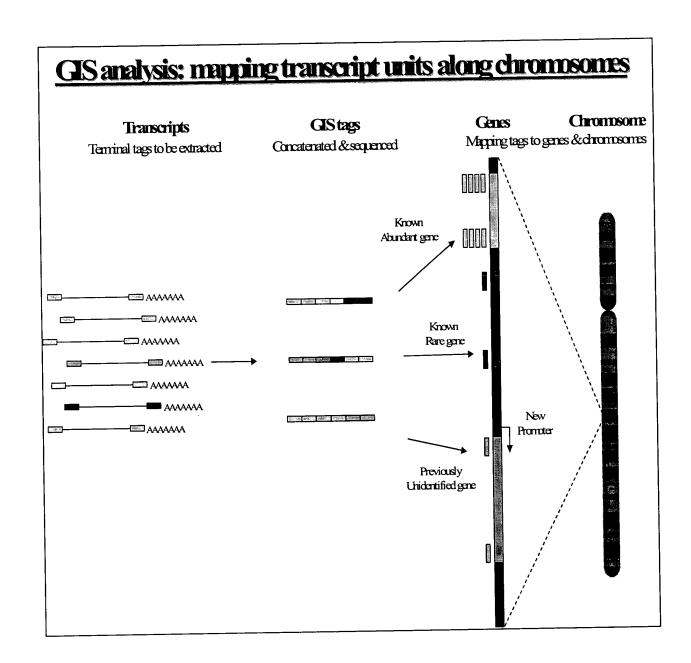


Figure 3

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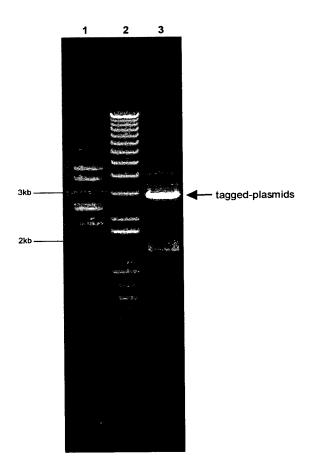


Figure 4

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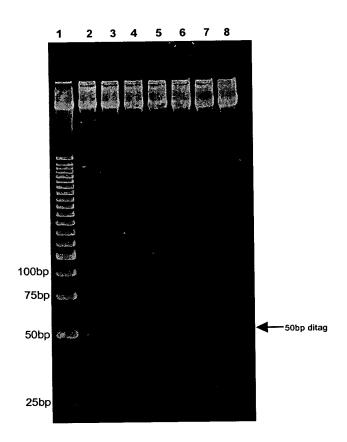


Figure 5

Method for Gene Identification Signature (GIS) Analysis

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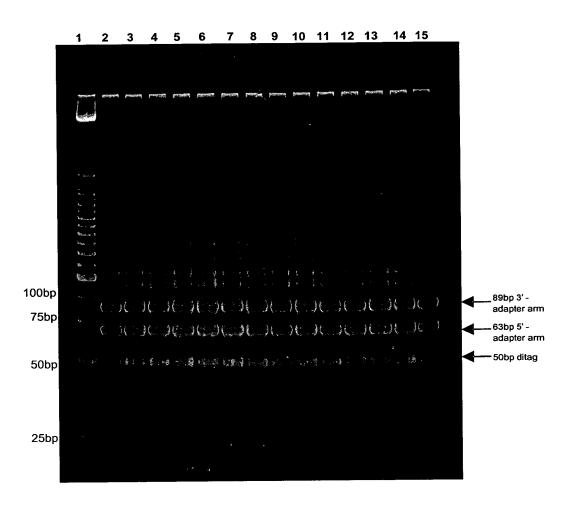


Figure 6

pGIS1

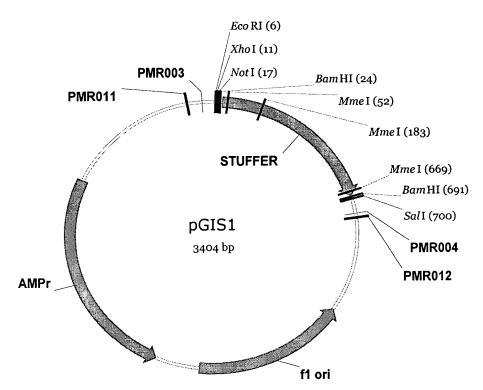


Figure 7

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pZErO-1

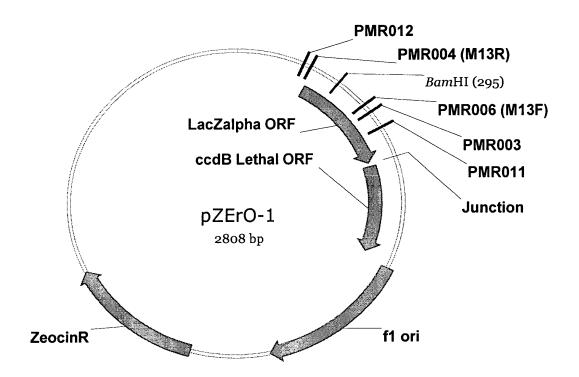


Figure 8

Method for Gene Identification Signature
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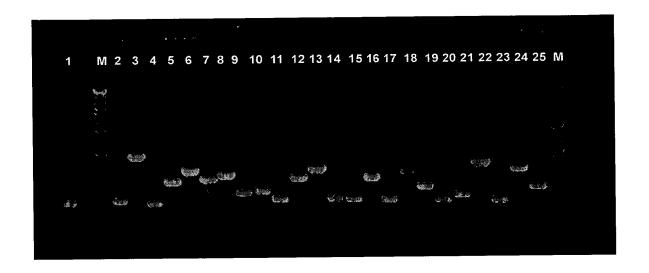


Figure 9

Method for Gene Identification Signature
(GIS) Analysis
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FIGURE 10 pGIS1 sequence

3401

		NotI								
	x ~~	hoI	MmeI	~						
1	ECORI GGGCGAATTC	TOGAGEGGEE	BamHI GCGGATCCGA	CGAGAGCGCC	TGCGTACGGC	TCGCCGCGGT_	GGCTGGCGCT	ACTTCGGAGG	AGCCCGACGC	GGCGCGGTCG
	CCCGCTTAAG	AGCTCGCCGG	CGCCTAGGCT	GCTCTCGCGG	ACGCATGCCG	AGCGGCGCCA	CACCTCACAG	acrementer.	CATGAAGGTG	AAAATTAAAT
101	AAAAATATGT MmeI	AAGGGCGCGC	CTCCGTTGCC	TTCCCGCCCC	GCGGAGCACT	AATCCGGCGC	CICCAGIGIC	Condition	01110110	••
201	CAACCTTACC	ACACCGGTGA	ACCGAGACCC	ATCGGTTACT	TGAGAACTGC ACTCTTGACG	CCGTAGACGT	CCINCCOCAA	ATTACCOACG	ACA001010-	
301	TGGTGATGAC ACCACTACTG	TGCCCCCTCG ACGGGGGAGC	TGTGGGGACA ACACCCCTGT	GTGCTCCCAC CACGAGGGTG	TGCTTCCACA ACGAAGGTGT	TGCACTGCAT ACGTGACGTA	CCTCAAGTGG GGAGTTCACC	CTGAATGCGC GACTTACGCG	AGCAGGTGCA TCGTCCACGT	GCAGCACTGC CGTCGTGACG
401	CCCATGTGTC GGGTACACAG	GCCAGGAGTG CGGTCCTCAC	GAAGTTCAAA CTTCAAGTTT	GAGTGAAGCC CTCACTTCGG	CGTGCCGTGC GCACGGCACG	CACTTCCCTC GTGAAGGGAG	TCCTGTGCTG AGGACACGAC	TGCCAGGCTC ACGGTCCGAG	AGCCCCTTCC TCGGGGAAGG	CTCCCTCCCC GAGGGAGGGG
501	TCCCCCAGAT AGGGGGTCTA	ACAGCACCCC TGTCGTGGGG	AAGTCCCCTC TTCAGGGGAG	CACACAGCAC GTGTGTCGTG	AGTGGTGCCC TCACCACGGG	AGAGATETEG TETETAGAGE	GTCTGTGCCG CAGACACGGC	GGGACAAGGA CCCTGTTCCT	ACGAAAGACA Mme	
601	CAAGGTTGAA	AGGAGCTTTG	CTGACTGTTT	TGTTTTCCCA	TCACATTGAC	ACTITATICA	ATAAGTAAAA	CTCATTACAG	TTCCAAGTCG	GATCCTGGGT
001	GTTCCAACTT Sali	TCCTCGAAAC	GACTGACAAA	ACAAAAGGGT	AGIGIAACIG	1GAAATAAG1	IAIICAII			
701	GCTGGACGTC	CGTACGTTCG	AACTCATAAG	ATATCACAGT	CCTAAATAGC GGATTTATCG	AACCGCATTA	GTACCAGTAT	CGACAAAGGA	CACACITIAN	GB1114CCCG1
801	GTGTTAAGGT	GTGTTGTATG	CTCGGCCTTC	GTATTTCACA	AAAGCCTGGG TTTCGGACCC	CACGGATTAC	TCACTCGATT	GAGIGIAATI	AMCGCAMCGC	GADTGACCOC
901	CGAAAGGTCA	GCCCTTTGGA	CAGCACGGTC	GACGTAATTA	GAATCGGCCA CTTAGCCGGT	TGCGCGCCCC	TCTCCGCCAA	ACGCATANCC	COCCARCIDADO	COLLOGIC
1001	AGTGACTGAG	CGACGCGAGC	CAGCAAGCCG	ACGCCGCTCG	GGTATCAGCT CCATAGTCGA	GIGAGIFICC	GCCATTAIGC	CAMIMOGIGI	CITAGICCC	IMITOCOTCE
1101	AAAGAACATG TTTCTTGTAC	TGAGCAAAAG ACTCGTTTTC	GCCAGCAAAA CGGTCGTTTT	GGCCAGGAAC	CGTAAAAAGG GCATTTTTCC	CCGCGTTGCT GGCGCAACGA	GGCGTTTTTC	GATAGGCTCC CTATCCGAGG	GCCCCCTGA	CGAGCATCAC
1201	AAAAATCGAC TTTTTAGCTG	GCTCAAGTCA CGAGTTCAGT	GAGGTGGCGA CTCCACCGCT	AACCCGACAG	GACTATAAAG CTGATATTTC	ATACCAGGCG TATGGTCCGC	TTTCCCCCTG	GAAGCTCCCT CTTCGAGGGA	CGTGCGCTCT GCACGCGAGA	CCTGTACCGA GGACATGGCT
1301	CCCTGCCGCT	TACCGGATAC	CTGTCCGCCT GACAGGCGGA	TTCTCCCTTC	GGGAAGCGTG CCCTTCGCAC	GCGCTTTCTC	TATCGAGTGC	CTGTAGGTAT GACATCCATA	CTCAGTTCGG GAGTCAAGCC	TGTAGGTCGT ACATCCAGCA
1401						· cococorra ac	COCOTA A CTAT	COTCOMICAGA	CCAACCCGGT	
1501						mema coccer	COTACAGAGA	TOTTCASCTO	GTGGCCTAAC	TACGGCTACA
1601					a Acres Comp	CCAAAAACAC	TTCCTACCTC	TTGATCGGG	AAACAAACC	CCGCTGGTAG GGCGACCATC
1701							TOTTOTATO	Telegraphy (A.S.	GGTCTGACGC	TCAGTGGAAC AGTCACCTTG
1801						a creamant	· Comments a a me		TTTTAAATC	A ATCTAAAGTA T TAGATTTCAT
1901					n arameraca	COTATOTO	· CONTINUE	r ATTTCCTTC	TCCATAGTT	G CCTGACTCCC C GGACTGAGGG
2001	CGTCGTGTAC GCAGCACATO	ATAACTACGA	TACGGGAGG	GAATGGTAG	T GGCCCCAGTO A CCGGGGTCAO	GACGTTACTA	r acceceagae a tegecetete	C CCACGCTCAG G GGTGCGAGT	C CGGCTCCAG G GCCGAGGTC	A TTTATCAGCA I AAATAGTCGT
2101					a amaas s amm	n necessor	T ATTOCACTOT	A TTAATTGTT	CCGGGAAGC	T AGAGTAAGTA A TCTCATTCAT
2201					G	- CHYCOTOTON	c corogram	TOGTATGGC	T TCATTCAGC	T CCGGTTCCCA A GGCCAAGGGT
2301						COTOCTOC	TOTOTOTAT	с сттетсьсь	A GTAAGTTGG	C CGCAGTGTTA G GCGTCACAAT
2401					C TONTOCCONT	C CCTAAGATG	c managements	A CTGGTGAGT	A CTCAACCAA	G TCATTCTGAG C AGTAAGACTC
2501						T NATACOCO	C CACATAGCA	AACTETAAA	A GTGCTCATC	A TTGGAAAACG T AACCTTTTGC
2601						m	c cxcrccrcc	a cccaactea	T CTTCAGCAT	C TTTTACTTTC G AAAATGAAAG
2701					~ ~~~	n CCCNATAAC	a accordance	A AUTTOTAA A	T ACTUATACT	C TTCCTTTTC G AAGGAAAAAG
2801					a aaa ma aa m	a manager a service	A TEPRODANA	A TABACABAT	A GGGGTTCCG	C GCACATTTCC C CGTGTAAAGG
2901							A TACCCCTAT	C ACCAGGGCC	T TTOTATOTO	SC GCGTTTCGGT SG CGCAAAGCCA
3001						o marriagements	A COCCATOCC	CGAGCAGAC	A AGCCCGTCA	G GGCGCGTCAG
3101						C A TOTAL CONT.	A CACTECACO	A TATGGGGG	TODATAGE T	SC ACAGATGCGT XG TGTCTACGCA
3201					ac ancoccano	T CTTCCAAC	C GCCATCGC	rs reseccion	T CGCTATTAC	C CCAGCTGGCG GC GGTCGACCGC
3301						o concret	A COTTOTA A	A COMMOCCO	G TGAATTGT	AA TACGACTCAC TT ATGCTGAGTG
2.03	111CCCCC	CACCACCII	_ cocinniii							